

WE CLAIM:

1. A method for cleaning article, comprising:
contacting the article with intermediate concentration cleaning composition;
diluting the intermediate concentration cleaning composition to form dilute
cleaning composition; and
treating the contacted article with the dilute cleaning composition to form treated
article.
2. The method of claim 1, wherein the intermediate concentration is a fixed
concentration.
3. The method of claim 1, comprising a single intermediate concentration.
4. The method of claim 1, wherein the intermediate concentration is
substantially constant during contacting.
5. The method of claim 4, wherein the intermediate concentration is at about
8 wt-% to about 12 wt-% concentrate cleaning composition during contacting.
6. The method of claim 1, further comprising maintaining the intermediate
concentration at about 8 wt-% to about 12 wt-% concentrate cleaning composition during
contacting.
7. The method of claim 1, wherein the intermediate concentration cleaning
composition comprises about 8 wt-% to about 12 wt-% concentrate cleaning composition.
8. The method of claim 1, comprising contacting for about 2 to about 20 min.
9. The method of claim 1, further comprising:

adding diluent and concentrate cleaning composition to vessel to form intermediate concentration cleaning composition;

ceasing adding diluent and concentrate cleaning composition to the intermediate concentration cleaning composition.

10. The method of claim 9, wherein the diluent comprises water.

11. The method of claim 9, wherein the diluent comprises aqueous diluent.

12. The method of claim 9, wherein the vessel comprises a dispenser vessel of a dispensing apparatus.

13. The method of claim 9, wherein the vessel comprises a cleaning vessel of a cleaning apparatus.

14. The method of claim 1, further comprising:
mixing diluent and concentrate cleaning composition in a dispenser to form intermediate concentration cleaning composition; and
dispensing the intermediate concentration cleaning composition into contact with the article.

15. The method of claim 1, further comprising agitating the article with the intermediate concentration aqueous cleaning composition to form pretreated article.

16. The method of claim 1, wherein diluting comprises diluting with water.

17. The method of claim 1, wherein diluting comprises diluting with aqueous diluent.

18. The method of claim 1, wherein diluting comprises about 100 to about 2000-fold dilution of the intermediate cleaning composition to yield the dilute cleaning composition.

19. The method of claim 1, wherein diluting comprises about 200 to about 1000-fold dilution of the intermediate cleaning composition to yield the dilute cleaning composition.

20. The method of claim 1, wherein the article comprises laundry, the cleaning composition comprises laundry flush composition, and treating comprises flushing.

21. The method of claim 1, wherein the article comprises laundry, the cleaning composition comprises laundry wash composition, and treating comprises washing.

22. The method of claim 1, wherein the article comprises laundry, the cleaning composition comprises laundry finish composition, and treating comprises finishing.

23. The method of claim 1, wherein the article comprises laundry, the cleaning composition comprises antimicrobial composition, and treating comprises antimicrobial treating.

24. The method of claim 1, wherein the article comprises ware, the cleaning composition comprises a warewashing composition, and treating comprises washing.

25. The method of claim 1, wherein the article comprises ware, the cleaning composition comprises a rinse composition, and treating comprises rinsing.

26. The method of claim 1, wherein the article comprises ware, the cleaning composition comprises antimicrobial composition, and treating comprises antimicrobial treating.

27. The method of claim 1, wherein contacting and treating each comprise cleaning in place.

28. The method of claim 1, wherein the article comprises hard surface of facility.

29. The method of claim 1, wherein the cleaning composition comprises antimicrobial composition.

30. A method for cleaning laundry, comprising:
contacting the laundry with intermediate concentration cleaning composition;
diluting the intermediate concentration cleaning composition to form dilute cleaning composition; and
treating pretreated laundry with the dilute cleaning composition to form treated laundry.

31. The method of claim 30, comprising contacting and treating in wash wheel of horizontal axis washer.

32. The method of claim 31, wherein contacting comprises spraying the laundry with the intermediate concentration cleaning composition.

33. The method of claim 30, wherein the cleaning composition comprises laundry flush composition, and treating comprises flushing.

34. The method of claim 30, wherein the cleaning composition comprises laundry wash composition, and treating comprises washing.

35. The method of claim 30, wherein the cleaning composition comprises laundry finish composition, and treating comprises finishing.

36. The method of claim 30, wherein the cleaning composition comprises antimicrobial composition, and treating comprises antimicrobial treating.

37. A method for cleaning ware, comprising:
contacting the ware with intermediate concentration cleaning composition;
diluting the intermediate concentration cleaning composition to form dilute cleaning composition; and
treating pretreated ware with the dilute cleaning composition to form treated ware.

38. The method of claim 37, comprising contacting and treating in ware washing machine.

39. The method of claim 37, wherein the cleaning composition comprises warewashing composition, and treating comprises washing.

40. The method of claim 37, wherein the cleaning composition comprises rinse composition, and treating comprises rinsing.

41. The method of claim 37, wherein the cleaning composition comprises antimicrobial composition, and treating comprises antimicrobial treating.

42. A method for cleaning in place, comprising:
contacting hard surface with intermediate concentration cleaning composition;
diluting the intermediate concentration cleaning composition to form dilute cleaning composition; and
treating pretreated hard surface with the dilute cleaning composition to form treated article.

43. A method for cleaning article, comprising:

first diluting comprising diluting concentrate cleaning composition with diluent to form intermediate concentration cleaning composition, the concentration of the intermediate concentration cleaning composition being about 5 to about 20 wt-% concentrate;

contacting the article for about 1 min to about 20 min with the intermediate concentration cleaning composition;

second diluting comprising diluting the intermediate concentration cleaning composition with the diluent to form dilute cleaning composition, the dilute cleaning composition being about 0.1 to about 0.5 wt-% concentrate; and

treating the pretreated article with the dilute cleaning composition to form a treated article.

44. A cleaning apparatus comprising:

application system adapted and configured to contact an article with an intermediate concentration cleaning composition;

fluid handling system adapted and configured to dilute the intermediate concentration cleaning composition with diluent to form dilute cleaning composition; and

cleaning system adapted and configured to treat the contacted article with the dilute cleaning composition to form treated article.

45. The apparatus of claim 44, wherein the apparatus is horizontal axis washer;

the washer comprising dispensing system, sprayer, and wash wheel;

the dispensing system adapted and configured to dispense intermediate concentration cleaning composition to sprayer;

the sprayer adapted and configured to spray intermediate concentration cleaning composition onto laundry in the wash wheel to produce pretreated laundry;

the sprayer adapted and configured to, after an interval, spray water into the wash wheel to contact the pretreated laundry.

46. The apparatus of claim 44, wherein the application system comprises sprayer or foam generator.

47. The apparatus of claim 46, wherein the sprayer comprises an aerosol sprayer, a handheld spray nozzle, or a machine mounted spray nozzle.

48. The apparatus of claim 44, wherein the application system is manual or automatic system.